



# Texol Gearsyn™ Marine SE Series

## Technical Data Sheet

### Texol Gearsyn™ Marine SE Series

High performance gear oils based on synthetic ester oil with Texol special additive combination

### Product Description

Texol Gearsyn™ Marine SE series solid-free performance gear oils.

Wear problems such as abrasion, surface fatigue ( pitting ), grey staining or problems during the running-in phase are solved. Compatible with non-ferrous metals. The additive combination adjusts itself to changing loads and actively prevents wear. Texol Gearsyn™ Marine SE gear oils are in conformity with an even exceed the requirements of DIN 51517.

### Applications

- Texol Gearsyn™ Marine SE lubricants are recommended for the lubrication of a wide range of industrial, mobile and marine equipment.
- Long-term lubrication under the most extreme mechanical conditions, vibrations and elevated temperatures
- Spur and bevel gears, worm gears up to the medium load range
- All types of Rolling and sliding bearings
- Gear-tooth couplings and joints
- Highly loaded sliding surfaces
- Circulation systems

### Advantages

- Extra ordinary load carrying capacity
- Optimum wear protection up to the highest load ranges
- Maximum reliability against grey staining
- Reduction of the coefficient of friction and temperature
- Improvement of surface even when damage by micro smoothing effect
- Significantly shorter running in period
- High corrosion protection
- Free from solids due to oil soluble additive combination
- Extended oil change intervals even under extreme conditions
- Longer service life of gears
- Reduced energy, maintenance and disposal costs
- Biodegradable



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### Typical Properties

| Property (Unit)         | SE100 | SE150 | SE220 | SE320 | SE460 | SE680 | Method       |
|-------------------------|-------|-------|-------|-------|-------|-------|--------------|
| Density at +15 °C       | 1005  | 1007  | 1015  | 1023  | 1030  | 1040  | DIN 51757    |
| Viscosity @40°C, cSt    | 105   | 150   | 233   | 338   | 490   | 680   | DIN 51550    |
| Viscosity @100°C, cSt   | 11.5  | 14.8  | 19.1  | 26    | 32.3  | 41    | DIN 51550    |
| ISO Viscosity Grade     | 100   | 150   | 220   | 320   | 460   | 680   | DIN 51519    |
| Viscosity Index         | 178   | 179   | 185   | 183   | 183   | 180   | DIN ISO 2909 |
| Flash Point, °C         | 240   | 242   | 245   | 240   | 235   | 250   | DIN ISO 2592 |
| Pour Point, °C          | -40   | -38   | -33   | -30   | -21   | -17   | DIN ISO 3016 |
| Four ball weld load, N  | 1700  | 1700  | 1700  | 1900  | 1900  | 1900  | DIN 51350-02 |
| Four ball wear test, mm |       |       |       | 0.55  |       |       | DIN 51350-03 |
| FZG test ( A/8.3/90 )   |       |       |       | >14   |       |       | DIN 51354    |

### Notes for Use

- Condensation water may be absorbed without the danger of corrosion or a change in viscosity.
- Texol Gearsyn™ Marine SE lubricants are compatible with seals, e.g. NBR, FPM, FKM.
- They are compatible with nearly all conventional one-component and two-component lacquers.
- Quality standard: Texol Gearsyn™ Marine SE lubricants are synthetic ester oils and exceed the minimum requirements according to DIN 51517 for synthetic ester gear oils.